

# SEQUENCE LISTING

<110> Engelhardt, John F.  
Duan, Dongsheng  
Yan, Ziyang

<120> Adeno-associated virus vectors and uses thereof

<130> 875.024US1

<150> US 60/158,209

<151> 1999-10-07

<160> 13

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 20

<212> DNA

<213> Adeno-associated virus

<400> 1

cggggggtcgt tgggcggtca 20

<210> 2

<211> 19

<212> DNA

<213> Adeno-associated virus

<400> 2

gggcgagacc tatggaaaa 19

<210> 3

<211> 505

<212> DNA

<213> Artificial Sequence

<220>

<223> A consensus sequence

<400> 3

cggggggtcgt	tgggcggtca	gccaggcggg	ccatttacgc	taagttatgt	aacgactgca	60
ggcatgcaag	ctcgaattca	tccgtagata	agtagcatgg	cggttataatc	attaactaca	120
aggaacccct	agtgatggag	ttggccactc	cctctctgcg	cgctcgctcg	ctcgctgagg	180
ccgggcgacc	aaaggctcgc	cgacgcccgc	gctttgcccc	ggcggcctca	gtgagcgagc	240
gagcgcgcag	ctgcgcgctc	gctcgctcac	tgaggccgcc	cgggcaaagc	ccgggcgctc	300
ggcgaccttt	ggtcgcccgc	cctcagcgag	cgagcgagcg	cgagagagag	gagtggccaa	360
ctccatcact	aggggttcct	tgtagttaat	gattaacccg	ccatgctact	tatctacagc	420
ttgcatgcat	gtgagcaaaa	ggccagcaaa	aggccaggaa	ccgtaaaaaa	gccgcgttgc	480
tggcgttttt	ccataggctc	cgccc				505

<210> 4

<211> 272

<212> DNA

<213> AAV circular intermediate, clone p81

<400> 4

gcatgcaagc	tgtagataag	tagcatggcg	ggttaatcat	taactacaag	gaacccctag	60
tgatggagtt	ggccactccc	tctctgcgcg	ctcgctcgct	cactgaggcc	ggcggcccaa	120

09684554-100600

aggtcgcccg	acgcccgggc	tttggccggg	cggcctcagt	gagcgagcga	gcgcgcagag	180
agggagtggc	caactccatc	actaggggtt	ccttgtagtt	aatgattaac	ccgccatgct	240
acttatctac	cgatgaattc	gagcttgcat	gc			272

<210> 5  
 <211> 300  
 <212> DNA  
 <213> AAV circular intermediate, clone p79

<400> 5	
gcatgcaagc	60
tgatggagtt	120
tcgctcgctc	180
gcctcagtga	240
ttgtagttaa	300

<210> 6  
 <211> 272  
 <212> DNA  
 <213> AAV circular intermediate, clone p1202

<400> 6	
gcatgcaagc	60
tgatggagtt	120
aggtcgcccg	180
agggagtggc	240
acttatctac	272

<210> 7  
 <211> 165  
 <212> DNA  
 <213> Unknown

<220>  
 <223> SEQ ID NO:1 of U.S. Patent No. 5,478,745

<400> 7	
aggaaccct	60
ccgggcgacc	120
gagcgcgcag	165

<210> 8  
 <211> 282  
 <212> DNA  
 <213> rAAV circular intermediate, clone p79

<400> 8	
ggcggggccat	60
tagataagta	120
ccactccctc	180
cctggcagtt	240
aaaggccagc	282

<210> 9  
 <211> 345  
 <212> DNA  
 <213> rAAV circular intermediate, clone p80

09584554-100500

<400> 9  
ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60  
taagtagcat ggcgggttaa tcattaacta caaggaaccc ctagtgatgg agttggccac 120  
tccctctctg cgcgctcgtc cgctcgtca ggccgggcga ccaaaggctc cccgacgccc 180  
gcccggcctc agcgagcgag cgagcgcgca gagagggagt ggccaactcc atcactaggg 240  
gttccttgta gttaatgatt aaccgcgcat gctacttatc tacagcttgc atgcatgtga 300  
gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttg 345

<210> 10  
<211> 276  
<212> DNA  
<213> rAAV circular intermediate, clone p81

<400> 10  
ggccattttac cgtaagttat gtggcgactg caggcatgca agctcgaatt catcggtaga 60  
taagtagcat ggcgggttaa tcattgccta caaagagccc ctagtgatgg agccggcct 120  
caccgagcga gcgagcgcg agagagggag tggccaactc catcactagg ggttccttgg 180  
agttaatgat taaccgcca tgctacttat ctacagcttg catgcatgtg agcaaaaggc 240  
cagcaaaagg ccaggaaccg taaaaaggcc gcgttg 276

<210> 11  
<211> 316  
<212> DNA  
<213> rAAV circular intermediate, clone p86

<400> 11  
ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60  
taagtagcat ggcgggttaa tcattaacta caaggaaccc ctagtgatgg agttggccac 120  
tccctctctg cgcgctcgtc cgctcgtga ggccgccccg gcctcagcga gcgagcgagc 180  
gcgagagag ggactggcca actccatcac taggggttcc ttgtagttaa tgattaacct 240  
gccatgctac ttatctacag cttgcatgca tgtgagcaaa aggccagcaa aaggccagga 300  
accgtaaaaa ggccgc 316

<210> 12  
<211> 208  
<212> DNA  
<213> rAAV circular intermediate, clone p87

<400> 12  
ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60  
taagtagcat ggcgggttac tcattgccta caaagagccc ctagtgatgg aattggaatg 120  
attcaccctc catgctactt atctacagct tgcatgcatg tgagcaaaag gccagcaaaa 180  
ggccaggaac cgtaaaaagg ccgcgttg 208

<210> 13  
<211> 310  
<212> DNA  
<213> rAAV circular intermediate, clone p88

<400> 13  
gccattttacc gtaagttatg taacgactgc aggcagcaaa gctcgaattc atcggtagat 60  
aagtagcatg gcgggttaat cattgcctac aaagagcccc tagtgatgga gttggccact 120  
ccctctctgc gcgctcgtc gctgggcccc gcctcagcga gcgagcgagc gcgagagag 180  
ggagtggcca actccatcac taggggttcc ttgtagttaa tgattaacct gccatgctac 240  
ttatctacag cttgcatgca tgtgagcaaa aggccagcaa aaggccagga accgtaaaaa 300  
ggccgcgttg 310